

## 2/11 013883-000001 PETER D. HALLENBECK

FIG. 2

UNIT #	UNIT # INPUT # ASSOCIATED VARIABLES				
1	1	LAST VALUE	SEMA- PHORE	TIMER	TASK #
1	2	LAST VALUE	SEMA- PHORE	TIMER	TASK#
2	10	LAST VALUE	SEMA- PHORE	TIMER	TASK #

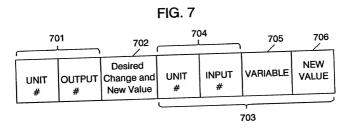
FIG. 3

UNIT #	INPUT#	TYPE OF CHANGE	ACTION TO BE TAKEN	
3	1	RECEIVE SERIAL STRING	BROADCAST PACKET (network #, message)	
3	2	X % CHANGE IN ANALOG VALUE	DIRECTED PACKET (node, message)	
3	3	X INCREASE IN DIGITAL VALUE	SET SEMAPHORE (int. variable, value)	
•				
4	10	BIT INPUT CHANGE	DIRECTED PACKET (node, message)	

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FIG. 4

	INPUT/ UNIT # OUTPUT #		TYPE OF I/O	STRING NAME	
	4	1	DIGITAL INPUT (1/0)	Outside_Door	
	4	2	ANALOG INPUT (range)	Downstairs_Temp	
	4	3	SEMAPHORE Home/Away_St		
•					
1	5	11	ANALOG INPUT (range)	Outside_Temp	



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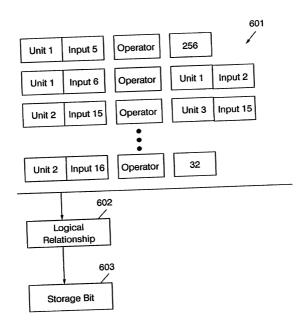
FIG. 5

VAR. ACTION		CLEAR		
VAR.		SEMA- PHORE		
ANY INPUT #		Ŋ		
LIND #		N		
AN UNIT INP VALUE # *	256	0	-	
OUT- PUT	4	Ø	12	
HNU #	8	ю	N	
TYPE OF CHANGE	Time_st= hhmm	Count ≤0	BIT=1	
INT. VAR. INPUT	17	18	19	
TINU #	-	-	-	

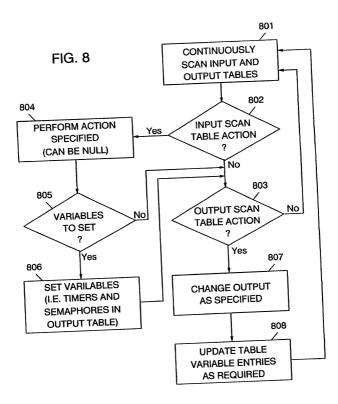
	_
SET TO 30 SEC	
TIMER	
5	
-	
256	
15	
-	
BIT=0	
8	
ო	

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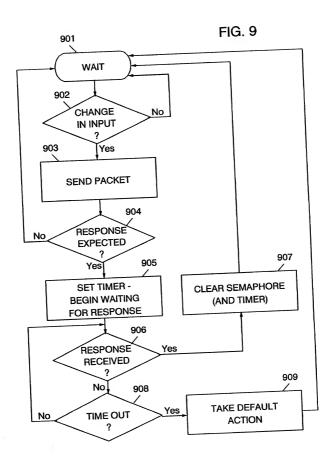
FIG. 6



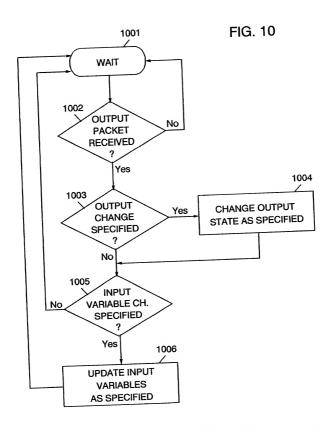
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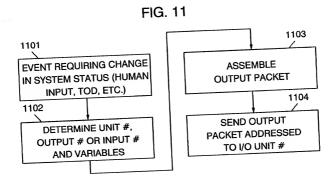


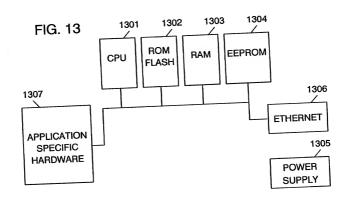
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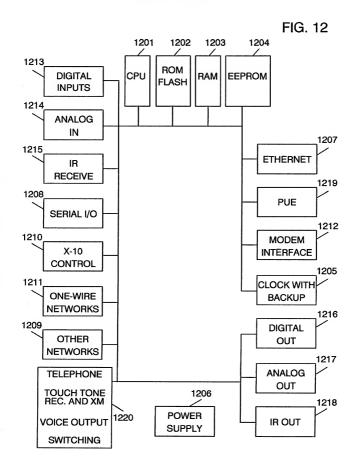


FIG. 14 1401 SYSTEM BUS MICRO-**NETWORK** SYSTEM I/O 1/0 PROCESSOR ADAPTER **MEMORY** ROM RAM 1402 1403 1406 1406 1410 1405 **NETWORK** 1407 1411 1408 1409 1/0 UNIT